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(54) Title: ACYLOXYALKYL CARBAMATE PRODRUGS OF 3-AMINOPROPYLPHOSPHONOUS AND -PHOSPHINIC ACIDS

(57) Abstract: Acyloxyalkyl carbamate prodrugs of 3-aminopropylphosphonous acid, 3-aminopropylphosphinic acid, and analogs thereof, pharmaceutical compositions comprising acyloxyalkyl carbamate prodrugs of 3-aminopropylphosphonous acid, 3-aminopropylphosphinic acid, and analogs thereof, methods of making prodrugs of 3-aminopropylphosphonous acid, 3-aminopropylphosphinic acid, and analogs thereof, methods of using prodrugs of 3-aminopropylphosphonous acid, 3-aminopropylphosphinic acid, and analogs thereof and pharmaceutical compositions thereof for treating or preventing diseases or disorders such as spasticity or gastroesophageal reflux disease are disclosed. Acyloxyalkyl carbamate prodrugs of 3-aminopropylphosphonous acid, 3-aminopropylphosphinic acid, and analogs thereof and sustained release oral dosage forms thereof, which are suitable for oral administration, are also disclosed.

WO 2006/050472 A3

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K31/662 A61P25/00 C07F9/30 C07F9/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, CHEM ABS Data

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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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- *&* document member of the same patent family

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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